



-San Francisco

<u>→ 1896</u> <u></u>

Mechanics' Institute LIBRARY AND READING ROOM

31 POST STREET, SAN FRANCISCO.

71,000 VOLUMES.

From three hundred to six hundred volumes added mouthly.

Daily list of additions is posted in the circulation department.

New Books of general interest or special merit are added as soon as published, and duplicated in accordance with the demand.

Members' requests for books not already in the Library receive careful consideration.

The Reference Department is especially strong in mechanical and engineering works, including complete sets of the principal American and Foreign scientific periodicals. It contains, also, the United States and the English Patent Office Reports, complete.

The Reading Room list of periodicals embraces the title of

400 newspapers, magazines, reviews and journals.

Classes in Mechanical, Architectural and Free-hand Drawing, each two evenings a week.

HOURS OF THE LIBRARY.

LIBRARY,		9 A.M. to 10 P.M.
		10 A.M. to 5 P.M.
		8 A.M. to 10 P.M.
		9 A.M. to 10 P.M.

TERMS OF MEMBERSHIP.

Entrance Fee,							#	5 I	00
Quarterly Dues, .									
Life Membership,									

Rooms open for inspection day and evening.

FORTY-FIRST

ANNUAL REPORT

OF THE

MECHANICS' INSTITUTE

FOR THE

Year Ending February 29, 1896

SAN FRANCISCO, CAL. 1896

PRESIDENTS OF THE INSTITUTE

FROM ITS ORGANIZATION.

1895-96—A. S. HALLIDIE.

1855 —BENJAMIN HEYWOOD.	1866 —Н. Ј. Воотн.
1855 — JOHN SIME.	1867 —GEORGE K. GLUYAS.
1856 —R. MATHESON.	1868-77—ANDREW S. HALLIDIE.
1857-58—JOHN SIME.	1878-79—IRVING M. SCOTT
1859 —GEORGE COFRAN.	1880-88-P. B. CORNWALL.
1860 —THOMAS TENNENT.	1889-91-DAVID KERR.
1861 — JOHN P. BUCKLEY.	1892-93—IRWIN C. STUMP.
1862 —B. H. FREEMAN.	1893-94—A. S. HALLIDIE.
1863-64—Joseph Britton.	1894-95—A. S. HALLIDIE.

1865 —CHARLES M. PLUM.

OFFICERS

BOARD OF TRUSTEES-1895-96

A. S. HALLIDIE	PRESIDENT
GEORGE CUMMING	VICE-PRESIDENT
CHAS. E. MOOSER	RECORDING SECRETARY
E. H. COLE	
GROVE P. AYERS	HENRY T. BUSH
ERNST A. DENICKE	R. P. DOOLAN
WILL E. FISHER	HOWARD C. HOLMES
FERDINAND FORMHALS	JOSEPH LEGGETT
RODNEY KENDRICK	HENRY ROOT
FIRST NATIONAL BANK, S. I	F TREASURER
ј. н. сиц	VER, Secretary.

STANDING COMMITTEES

FINANCE AYERS, DENICKE, ROOT
LIBRARY, ROOMS AND BUILDINGROOT, COLE, FORMHALS
BOOKS AND DONATIONSLEGGETT, HOLMES, DENICKE
LECTURES AND CLASSESLEGGETT, AYERS, DENICKE
PRINTING AND ADVERTISING. FORMHALS, DOOLAN, KENDRICK
PAVILION HOLMES, CUMMING, KENDRICK

THE PRESIDENT is ex-officio member of all Committees.

LIBRARY

31 POST STREET.

A. M. JELLISON	Librarian.
F. B. GRAVES	Assistant Librarian
	ASSISTANTS.
J. H. WOOD	
	R. D. COLQUHOUN
W. R. WILLIAMS	MRS. M. E. SOUTHWORTH
W. H. WOOLCOCK	JAMES REDPATH
	JANITORS.
F. E. HARRIS.	Wm. Jeffers

PRESIDENT'S REPORT

To the Members of the Mechanics' Institute:

Gentlemen: I have the pleasure of presenting my report to the members of the Mechanics' Institute for the year ending 1st March, 1896, which includes a report of the work done by the Board of Trustees for that period, and also such suggestions as may occur to me as pertinent to the affairs of the Society and the interests it represents—a Society in whose service fifteen years of active and disinterested work and careful thought have been cheerfully given as a contribution through the Mechanics' Institute to society in general, and the community of San Francisco in particular.

At the earnest solicitation of a large number of members, it may be remembered, I consented to serve on the Board of Trustees four years ago. I have always considered it a privilege and honor to serve the Institute, and only the limit of my ability to serve it well and to do my duty in other directions compelled me regretfully to sever those ties which had become so intimate and so close after the many years through which you have reposed so much confidence in me.

Many things have been done and some reforms effected during the last three years of my Presidency, and while all has not been done that might have been done, and there is still opportunity for further reform, it is gratifying to know that the affairs and business methods of the Institute are to-day in a much better condition than they were three years ago.

FINANCIAL METHODS.

With the exception of a small contingent fund in the hands of the Secretary, no money is paid out by any officer of

MECHANICS' INSTITUTE.

the Society. All bills, ever so small, after being scrutinized and indorsed by the proper committee, and approved by the Finance Committee, are submitted to a meeting of the Board of Trustees; a list is prepared, and the names and amounts are voted upon by ayes and noes, which are recorded in the minutes, and those favorably voted on are paid by check drawn in favor of the creditor on the Treasurer, which is an incorporated bank; the check is signed by the President and Recording Secretary, both Trustees, and no check is drawn to cash or to bearer. All money collected from all sources is deposited daily in the bank. Those handling money, the Librarian and the Secretary, give bonds to the Institute, and every three months an experienced auditor examines the accounts and certifies to their correctness and that the requirements of the Constitution have been carried out.

The business affairs of the Mechanics' Institute have grown to such dimensions that the same methods which experience has demonstrated are required to govern other institutions of like magnitude in their financial affairs are necessary to adopt in your affairs, and I recommend that these reforms and improved business methods be made more perfect in the future.

EX-TREASURER FIRTH.

In the report of Treasurer Firth for the year ending 1893, an item of \$600.00 appeared, for the expenditure of which no authority could be found. The matter was presented to the late Treasurer, then to his bondsmen, and as no explanation or proof satisfactory to the Board of Trustees was produced, a suit was commenced against the late Treasurer and his bondsmen, which was decided in the Superior Court against the Institute. The Trustees, after due deliberation, have applied for a new trial, and the matter will be submitted to the Supreme Court if a new trial is refused.

Under the present financial methods, this unfortunate affair, in my opinion, could not have occurred.

COMMITTEES.

Article XI, Section I, of the By-Laws, makes it the duty of the President to appoint all the committees named in that section. This demands the most careful thought and attention of that officer. In my opinion, he should be entirely free in making such appointments, and when such committees are appointed, they should faithfully attend to their duties as provided in the Constitution. The division of labor therein allotted provides for carrying on the affairs of the Institute in an intelligent and successful manner. A failure on the part of a committee to perform its duty and its share of the work not only hampers the proceedings, but embarrasses the Trustees and burdens the other committees; one balky horse will demoralize a whole team.

HISTORICAL.

The Mechanics' Institute has now been in existence nearly forty-one years. On the 11th of December, 1854, the first meeting was called to take measures to create this Society and to sustain the honorable name and calling of "Mechanic." It has ever since been an integral part of the city of San Francisco, and during the whole of that long period, which covers almost the entire history of this city, it has been steadfast to the purposes for which it was organized. The success which has attended its efforts has not been phenomenal; it has escaped death on several occasions through the faith and faithfulness of its officers and members, but since its reorganization in 1869 it has gone steadily forward in its march of progress and success.

In 1869, about one year after you first honored me by electing me your President, at my suggestion and request the stock in the property of this Association then held by members was voluntarily surrendered, and the Institute was reincorporated and reorganized on its present basis, and was enabled, by means of an Act passed by the Legislature, approved March 31,

1866, to form a strong organization, tied by a common interest and good-will, in which the members obtained no rights as stockholders in its property and assets, but which existed for its members as long as they paid their dues and kept within the boundaries of its charter; failing either of these it would escheat to the State; hence it is essential that it performs its functions strictly within the purposes expressed in its charter. As a corollary, the men you place in charge of your affairs as Trustees should be in sympathy with the purposes of its organization, and men of integrity and intelligence, and without any personal purpose to serve.

In this report, which probably will be the last I shall have the honor of submitting to you, I beg you will permit me to touch on matters somewhat in detail, and to make any suggestion that I may think worthy of presentation.

LIBRARY.

The Library should always have your earnest care and first consideration. The character of the books will always be influenced if not decided by the demands of their readers; but it should be your purpose to keep it somewhat in advance of and somewhat higher than the plane of such demands. The Library is the main stay of the institution; it is the loadstone that attracts and the tie that binds its members, and great sacrifices should be made to keep the Library promptly and liberally—most liberally—supplied with modern books.

The wisdom of moving the circulating library to the main floor in the building has proved itself by the increased attendance and the great satisfaction expressed by members with the improved facilities and ease of access from the street, and in dispensing with the labor of climbing a long flight of stairs every time a book has to be exchanged. An advantage has also accrued to the student and investigator by thus separating the reference library from the active business and bustle of the circulating department, and securing three large, quiet and well-lighted rooms in which members can read and study without being disturbed.

While the accession of books to our Library has not been abreast of our accession of members, there has been expended as much money in this direction as could be afforded, in view of the pressing demands of the other departments of the Institute.

Previous to 1881, the statistical records of the Library are very misty and unreliable. In December, 1869, at the time of reorganization, all delinquent members were stricken from the roll, which made an apparent great decrease in numbers, and the actual membership in 1870 was 915; and the following table of statistics will show the relation between members, books, circulation, population of the city, and cost of Library per member:

Date.	Members.	Per ct. members to population of city.	Increase in members, per cent	Number of books in Library.	Increase in books, per cent.	Books per member.	Circulation—home use.	Circulation per member.	Cost of maintaining Library per member per annum.
1870	915	.61-100	61	15,754		17			
1875 1881	1,476	.70-100	01	21,542 30,207	37 40 17	15 20	47,550	31	\$10 95
1885	2,123	.82-100	38	36,328	17	17	50,759	24	9 39
1890	3,970	1.32-100	40	36,328 51,820	43	13	114,678	29	5 93
1895	4,465	1.33-100	15	68,363	43	15	153,330	34	5 10
			4 38 40 15 		150				
1896	4,709			70,818		15		39	5 02

1880 not complete.

The item of Salaries in the Library is \$3,000.70 in 1896, as against \$10,734.65 in 1894.

The increase in membership fluctuates a good deal, according to the table, but in 1875 the large accession was due to rejoining of members dropped in 1869 and to increased popularity of the Institute from its broader and more liberal management. In 1881 a careful elimination of delinquent members

reduced the apparent rates of increase, while in 1885 and 1890 the membership was increased by the issuing of tickets to the Fairs at half cost to members. The increase in number of books was regulated by the money available for the purpose. The aggregate percentages show that the increase in number of members was greater than the increase in number of books, which the table of books per member verifies. Again, the number of books withdrawn per member (circulation) for home reading has largely increased, which again supports my opinion that we are not buying a sufficient number of books. On the other hand, a very satisfactory and somewhat surprising showing is the marked gain in membership over the proportionate gain in population shown in column of percentage of members to the population of the city, in spite of the fact of the existence of other large libraries in the city.

It must be remembered that we do not, and cannot, keep account of the use of books read within the walls of the building. This a very large item, which cannot enter into our figures on circulation, as any member is free to help himself to a book, read and return it to its shelf without any record being made of the same. The rooms are always well attended by such readers.

The central location of the library, the liberal management of the same and the fact that it is on a level with the street have much to do with its popularity.

San Francisco is well supplied with libraries, and the resident or visitor has an opportunity of choosing which he may prefer. They are each well stored with judiciously selected books, and each is fortunate in having obliging and efficient librarians and assistants.

The number of books on the different Libraries' shelves exceeds 300,000, besides the Sutro Library, not yet opened, with 185,000.

ACCESS TO SHELVES-LOST BOOKS.

It is a moot question whether the books on the shelves of a large Library should be accessible to members. This Institute has always allowed its members to have free access to its books, and while there are losses due to theft, carelessness and mutilation, there are gains from this free access, which has always been valued and esteemed by members, and by its freedom creates a membership that would not exist. It places before the literary appetite tempting and substantial viands, and induces the habit of personal investigation and research, which the bars of a fenced railing would stifle.

In a free public Library conditions are different, as there is not the sense of responsibility which attaches to the feeling of ownership in a Library supported by subscription.

In an active society Library, as distinguished from a public Library, with books in constant demand for home reading, or consultation, or reading in the Library rooms, there is no need of expensive books of great age, or in splendid bindings; but it must be supplied with modern literature, whether in the domain of romance, literature or science—especially in science, which in these days makes such rapid strides, and so many departures in all its details and relations from the old grooves and ruts. As early fruit is best appreciated, so new books must be early on your shelves, and the live members of this Society not only demand the best at the earliest date, but demand also that they should be permitted to be brought in personal contact with and absorb the inspiration of these books, or by a preliminary examination average up their contents without the interposition of a Librarian's assistant or the discouraging barrier of a formal application by card.

That this privilege involves some loss is true, and during the five years from 1891 to 1895, inclusive, that loss amounted to 2,254 volumes, or say 37 volumes per month. It is nevertheless the opinion that it would be unprofitable to make any change in the method we have so long pursued. This loss of books, however, at an average of 75 cents per volume, amounts to \$1,690.58. The accession of members during this period amounted to 558, from whom six months' dues would be absorbed in making up this loss covering five years.

In the purchase of books great care has been exercised

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during the past two years; the committee has met regularly every month, and Chairman Leggett has personally and patiently examined the lists and digested many of the books. A record-book is at all times available for members to record their wishes for books.

THE LIBRARIANS' ASSOCIATION,

Recently organized in this city, which includes all the Librarians on the Pacific Coast, will be of great value to the reading public, and should receive your hearty support. With a better knowledge of the internal workings and practice of each Library, there will be an intelligent co-operation, and consequently greater economy and usefulness in the administration of the Library, the unneeded duplication of expensive sets can be avoided and a more judicious specialization can be selected. I see no reason why there should not be some system of exchange of books between Libraries, especially when each becomes rich in a special subject, thus giving the members of each Library the benefit of such books as may be listed for the purpose by each of the Libraries in this city.

BRANCH DELIVERY.

About two years since I submitted to the consideration of the Trustees a suggestion to establish a receiving and delivery place in the vestibule of the entrance to the Art Gallery of the Pavilion on Larkin street, and where sufficient unoccupied room could be obtained for the purpose. The expense of maintaining such a branch would be quite small, and as the location is quite removed from the Library on Post street, and is in itself quite central, it would be a convenience to members and increase the membership roll sufficiently to pay the expense.

LECTURES AND CLASSES.

Lectures have been delivered to members on Saturday evenings during the past winter. They have been exceedingly well attended, and it is gratifying to note an increasing interest in these lectures, and that the efforts of the committee have been so well appreciated. Many of these lectures which have been presented to the members who attend are well worthy of publication, for the benefit of the members at large, in a journal or magazine published by authority of the Institute.

Classes have also been maintained and well attended; these have been confined to drawing, mechanical and free hand, and mathematics. It may not be remembered that the Trustees proposed, some time since, to meet members half-way in the organization of any other classes for appropriate studies, by furnishing classroom, lights and janitor service free, provided the class would arrange for the compensation of the teacher.

The list of lectures delivered and of classes, etc., are to be found in the Librarian's Annual Report read before this meeting.

MONTHLY JOURNAL.

The Mechanics' Institute has a membership of 4,725, and I am of the opinion that it can safely issue a journal once a month, somewhat similar in form to the Journal of the Franklin Institute. Such a journal would place the Institute in close relations with kindred institutions throughout the land, and on the exchange list with similar periodicals. The proceedings of the Institute would become known to its members through its columns. Many of the able and interesting lectures delivered before the Society could be published; original matter of value would be contributed; its advertising columns would be liberally supported, and with the large membership we possess back of it, if judiciously edited and managed with business sagacity, it would be a financial success.

JAMES LICK DONATION.

James Lick, whose memory will ever be held in esteem and reverence by all Californians, bequeathed to the Mechanics' Institute ten thousand dollars to be expended in the purchase of scientific and mechanical books, and on December 1, 1883, the Trustees were formally notified that the money was ready to be paid over, and the officers of the Institute were authorized to receive the bequest. On January 2, 1884, the Trustees of the Mechanics' Institute passed the following resolution: "That an account be opened with the Lick Trust Fund; that all purchases of scientific and mechanical works be charged to it, and that it be credited with the proper interest, if in the meantime any part of it be used to reduce interest payments."

In accordance with said resolution all the scientific and mechanical books purchased were properly charged against the fund until April 7, 1891, when the entries in the Ledger ceased, and a balance remained to the credit of the fund of \$2,462.70. The attention of the Trustees having been called to the matter at the Quarterly meeting of members held December, 1895, an investigation was ordered, and on the report of the Committee the number and value of the scientific and mechanical works purchased since the date of the last entry were ordered to be segregated and charged to the fund, the interest was adjusted and credited to the fund, so the fund stands as follows:

CONDITION OF FUND.

Credit balance, April 7, 1891	\$2,462 70 4,811 85
Books bought since April 7, 1891	\$7,274 55 3,435 73
Balance to credit of Lick Fund March 1, 1896	\$3,838 82

And the Board of Trustees, in recognition of the liberality of James Lick, who was himself a mechanic, had a bronze memorial cast in relief with the bust of James Lick and a suitable inscription, and the same placed on the west wall of the window of main Library room, and ordered a suitable inscription placed on the inside of cover of the books purchased by means of the bequest.

READING ROOM.

The removal of the Reading Room from the third floor to the basement was carefully considered before being determined on. In the President's Annual Report, read March 5, 1894, the decision of the Board was there explained, and in the President's Annual Report, read March 9, 1895, it was again referred to, and it seemed to be the wishes of the members to have it removed to a more accessible place than on the third floor. During the progress of the work no protest was filed, and it seemed in every way agreeable to the members.

Since, objections have been filed. Individual members of the Board have visited and inspected the rooms at various times, and have reported their views to the Board in favor of its present location, and have stated that the temperature is fairly uniform, ventilation good and room dry, and that the light during the day is not so good as in the old quarters, but better during the evening; that the attendance is very much greater; that the convenience of more members is served better; that there are 21 steps to reach present location as against 57 steps to reach old one.

Great care was taken in preparing the room with respect to dryness, drainage and ventilation. While it is the opinion of the Board that the present location should be retained, I have no doubt that the Board, when satisfied that it is the desire of a majority of the members, to have it moved to another available location, will provide for its removal.

BUILDING.

The building on Post Street has been put in good repair, the walls have recently been cemented, and since the reorganization of the interior arrangements, it is better adapted to the uses of the Institute, than it has been for years, and will doubtless meet its requirements for some time to come.

MECHANICS' INSTITUTE.

INDUSTRIAL EXHIBITIONS.

The value of the Industrial Fairs held by the Institute is very great, and aside from the benefit to the City of San Francisco in bringing together annually so many visitors to inspect the Fair, and enjoy the sights and the music, the Institute could scarcely get along without them, and the financial aid they give when carefully and properly managed.

The Twenty-eighth Industrial Exhibition held by the Society from August 13 to September 14, 1895, was inaugurated under grave difficulties, and its success was imperiled by the unfavorable business conditions which existed in the State and City, and through inexperience and want of earnest cooperation by members of the Board of Trustees, few of whom had had any previous experience in the management of Fairs.

The exhibition held in the Spring of 1893 had resulted in a loss of \$2,284.09, and made a break in the Annual Fall Industrial Fairs, which was much more disastrous than the actual financial loss, and to get affairs back to the regular order of things involved a vast amount of labor and toil, which, however, was rewarded by the last exhibition showing a net profit of \$10,184.01.

The method adopted by the Board for the examination and decision of merit of exhibits was an innovation, and while from a practical standpoint there are objections, theoretically it recommends itself. The managers of the next Fair will undoubtedly give it their careful attention before adopting or rejecting it, as they will have had the advantage of experience gained through the last Fair.

The soliciting agent for the Twenty-eighth Fair was exceedingly active and energetic, yet no one man can personally visit all those who ought to exhibit. Little attention is paid to circulars, and the Trustees have neither the time or disposition to solicit. Instead of one there should be three men in the field, whose duty is to visit manufacturers personally, and solicit them to exhibit, and whose services should be intelligently directed by a man of good business capacity and administrative ability.

It is necessary to judiciously and liberally advertise these exhibitions through the Press. While much money may be wasted in this direction, if judiciously done it will bring back many times the money invested.

The music should always be of the best. The principal attraction at the last Fair was the excellent music given under the direction of Herr Fritz Scheel.

During the immediate preparation for and the holding of these Fairs, a great deal of business has to be done in a short period, hence the strictest business practices must be followed, and closest scrutiny exercised over all expenses. The Board has to meet almost every day, details have to be managed by Committees who must work in harmony and co-operate one with the other, and there must be a disinterested and unselfish sympathy and earnest vim in the work to insure success.

In this connection the

LARKIN-STREET PROPERTY

Deserves consideration. This property, on which the Pavilion now stands, was purchased December 15, 1881, for \$175,000.00, and the Pavilion building, in which the Fairs have since been held, cost \$94,664.44, which includes a valuation of \$30,000.00 for the building removed from Eighth street, between Market and Mission, so that the ground and building, at the time the Fair of 1882 was ready to be opened, cost the Institute \$269,664.44, this being the amount of obligation assumed.

The account books show that the-

Total receipts from rents and other sources, except Fairs... 129,596 06

\$ 24,481 59

And it will thus be seen that, without the revenue derived from these Industrial Exhibitions, there would have been a large annual loss to the Institute. The necessity of holding these exhibitions is thus emphasized.

I may here remark that of the twenty-eight Industrial Exhibitions held by this Society, only two—the third and twenty-seventh—have shown a financial loss.

In the existing Pavilion twelve Fairs have been held, and from these Fairs there has been netted to the Mechanics' Institute \$270,333.87, from which you have paid for that splendid property and improved the Library and building on Post street.

Deducting the loss as shown above of \$24,481.59 from the profits made on the last twelve Fairs, there is a net gain of \$245,852.28, or an average of \$17,560.89 per annum, since the Larkin-street property was purchased and the Pavilion completed—equal to $6\frac{1}{2}$ per cent per annum on the cost of the same—viz: \$269,664.44.

The value of the block of land occupied by the Pavilion has quadrupled since it was purchased, being worth to-day, at a conservative valuation, \$700,000, at which valuation the net revenue from all sources does not yield over $2\frac{1}{2}$ per cent per annum.

It was foreseen by the men who made the purchase of the above splendid property that it would ultimately become too valuable for the purposes now occupied, and it was thought wise to look around and secure for the future a block of land sufficiently large for exhibition purposes, in a locality where property was not so high, but not too remote from the center of the city, which was rapidly moving westward up Market street; and this brings me to

THE FOLSOM-STREET PROPERTY,

Which was purchased in 1887 for \$97,000, but which stands you in to-day, with the aggregation of interest, taxes, street improvements, etc., about \$163,048.16.

At the time that purchase was made the trend of improvement was in that direction; but, through those unforeseen influences which change the channels of trade and depreciate value in real estate, that property has declined considerably in value, although recently there seems to be some revival in that direction.

The property, which is bounded by Folsom, Fifteenth, Harrison and Sixteenth streets, and the old bank of Mission creek, was formerly occupied by the Mission Woolen Mills, and contains an area of about 246,188 feet, as against 113,437 feet for the Larkin-street property, and it is distant 4,800 feet from the City Hall.

It will be seen that it is a large piece of property, reasonably accessible to-day, and viewed from the possibilities of the future should receive the careful consideration of the Trustees and members before deciding to dispose of it, there being no other property of that size available in one parcel so near the City Hall. It has been a heavy burden to carry, but you have carried it so far, through all these hard times, and with good management this financial load can be wiped out in time, and the property become useful and of value to the Institute.

INDUSTRIAL TRAINING.

The Mechanics' Institute of San Francisco occupies an unique position. Mechanics' Institutes, fifty years or so ago, were established in all the large manufacturing and commercial centers where the English language was spoken, and many of them were quite flourishing; comparatively few survive, and of the few in the United States none occupy the position of the Mechanics' Institute of this City, or even approach it.

Founded in the interests of the Mechanics' Arts, and at a time when those arts were of weak existence in this City, its creators expressed the purposes of its organization in Article III of the Constitution, and while single in its general object, it was there expressed broadly and liberally enough to enable it to grow to its present grandness, and spread its wings over all those who desire to take advantage of its benefits and strength.

Since its organization other Institutions created to perpetuate the mechanic and industrial arts have had existence and disappeared. Labor schools, trade schools, industrial schools have each taken up the experiment, and while in themselves have not succeeded, none have actually failed, because the experiment involved experience useful in experimenting more intelligently.

The desire of the age is to develop the industries in such a way that the artisan and mechanic can be assured a living, and enough reserve for superannuation, and some progress has been made in that direction, yet so much depends upon the good habits of the individual affected that success is often arrested by the very ones in whose interest the efforts are being made.

Mr. James Lick, to whom reference was made in the early portion of this report, had this in view when he established the California School of Mechanical Arts, and also Mr. Wilmerding in his bequest of \$400,000.00 to the Regents of the University of California, both of whom desired to help those who were willing to work industriously in the mechanical arts, not to educate them for the professions, but as workers at the bench, or in the mechanical branches of the industries, and here lies the difficulty of keeping such schools down to the proper level and creating working mechanics and artisans of intelligence, and I believe all who have given this subject careful attention agree that the proper methods of such instruction have not yet been reached, nearly every school rising above its normal plane, and leaving the working mechanic and working mechanic's sons and daughters to care for themselves.

I do not believe the California School of Mechanical Arts of James Lick, as now organized, will solve this problem. Whether the Wilmerding School of Industrial Arts will approach any nearer to the solution time alone can decide. Meanwhile the Mechanics' Institute watches these experiments with interest, as her destiny may be to work in a practical way for the same end.

Considering the large membership we possess, and that we were organized "for any scientific, mechanical and literary purpose," it seems to me that there might be organized within the membership of this Society, clubs or sections devoted to carrying into effect that purpose of our organization, clubs that would recognize and discuss the leading scientific, mechanical and literary facts that are before us, and thus familiarize ourselves with these facts in their various phases, and evolve some results of practical value to those interested.

For example, in the scientific world the recent discovery of Professor Roentgen in photographing opaque objects, in the mechanical and engineering world the great drainage canals of the City of Chicago and the City of Mexico, in the literary world the true status of modern fiction.

If the members of the Mechanics' Institute, under the encouraging and guiding hand of their Board of Trustees, would actively interest themselves in any such live topics, they could interest those who are not members, and thereby largely increase the membership roll.

QUARTERLY MEETING OF MEMBERS.

These meetings ought to be of great value to the members and to the Trustees. The attendance of members is generally too small. It does seem to me that it is not too much for members to show their interest by attending these meetings, which should always be of an advisory character, and where just criticism and fair exchange of opinion can be expressed in an agreeable and friendly manner, so that your Trustees can be encouraged and enlightened through these quarterly conferences with the members at large.

ELECTION.

The members have voted for the third time under the preferential system; 955 votes were cast, and on each ballot each member designated the candidates he preferred by grading them in accordance with his opinion of the candidates' qualifications for the office of Trustee, and marked them first, second, third, etc. As heretofore, the election was carried out quietly and rapidly. Voting was completed at 9 o'clock p. m.; at

9:10 counting began; at 9:35 five minutes' rest was taken, and counting was completed and results declared at 11 p. m. For the seven offices to be filled there were twelve candidates; two were elected by receiving more than one-seventh of the total as first choice votes; two more were elected by receiving alternative votes, and the three remaining were elected by the remaining votes after discarding those failing in votes.

The system has been objected to on the ground that no ticket—that is, regular, opposition, or independent—can be voted for, and that too many members (25) have to sign the nominating paper of each candidate, there being required in the last election 300 members in good standing to sign the various nominating papers.

To the first objection it may be stated that the purpose, as I understand it, in adopting the new method, was to abolish the party system, which carried bad candidates into office on a ticket headed by a few good names, and in place thereof to vote candidates in on their individual merits.

To the second objection there may be some foundation, as it is seldom the vote exceeds 1,000, or 21 per cent of the number entitled to vote; hence the signatures required for the twelve candidates' nomination being 300, would be 30 per cent of the actual vote cast. If all the members (4,709) voted, 300 would be about 6½ per cent, certainly not too many.

GOOD MUNICIPAL GOVERNMENT

Is necessary to encourage the growth of such institutions as this. With the confidence that comes from the honest and economical administration of city affairs, the community would support more liberally such institutions. With dishonesty and dishonor in the management of city governments, suspicion lurks in every direction and confidence is destroyed, and the effects of such a condition are to retard progress, contract growth and narrow intelligence; thus it reacts on us as members of this organization and on the organization itself.

In the past we have had a great many members who have very faithfully served this Institute. To very few have you have the right to elect such for distinguished services, but not to exceed ten in any one year. The total number of honorary members does not exceed ten at this time, and the Trustees to night recommend a gentleman as honorary member who delivered the opening address at the first Industrial Exhibition given by the Mechanics' Institute, and which to-day can be read with profit and interest by all, and who filled various offices later, and has always been a consistent, persistent, faithful friend of the Institute, and who is still living among us—Mr. Henry F. Williams. In honoring him we honor the Institute.

The financial report of the Secretary and the report of the Librarian show in detail the condition of the Society and of its Library. From the former it will be seen that you have reduced the mortgage indebtedness \$10,000 this year, and that the current expenses of the Post-street building and the Library during the past two years have been materially reduced.

The Librarian's report shows a healthy increase in membership and in books.

I take occasion to testify to the faithfulness and earnestness of all concerned in the daily work of the Institute, and especially I commend the intelligent and patient work of your Librarian. The actual work of such an officer cannot be understood or appreciated by any superficial examination, or by any one not familiar with the character of the work or the care needed in its execution. It would be of benefit to the Society and the Librarian if he could officially visit the large Libraries in the Eastern States for the purposes of examination and comparison.

The Pavilion building, to be kept in good order, requires constant attention. From personal inspection, in my opinion, it has never been kept in such good condition, and much credit is due to the present keeper.

In closing this report and retiring once more from the Presidency of the Mechanics' Institute, I cannot too earnestly express my appreciation of your constant kindness and consid-

MECHANICS' INSTITUTE.

eration. My relations with the Society have been so long and so close, it seems to have developed from a child to a full-grown man in all those many years, so that the parting could not be otherwise than regretful to me you can readily realize.

The career of the Mechanics' Institute has but commenced. It has before it a broad field to work in, with a progressive, intelligent and unselfish Board of Directors, an increasing membership and good-feeling between all; it will fill the measures of its usefulness full to the benefit of the City, the State and mankind.

A. S. HALLIDIE,

President.

SAN FRANCISCO, March 7, 1896.

SECRETARY'S REPORT.

To the President and Trustees
Of the Mechanics' Institute—

Gentlemen: I herewith present a financial statement for the year ending February 29, 1896.

Library—			
Entrance fees	\$1,308	00	
Quarterly dues		50	
Life membership	200		
Books and fines	1,500	90	
Rents, Post street	3,900	00	
Sundries	28	31	
Pavilion—		\$29,056	7 E
Rent of building	\$7,060	00	
Rent of Hayes street property	5,535		
Gas and lighting	1,039	04	
Labor	30	00	
Sundries	215		
Classes—		— I3,879	76
	#		
Fees from pupils			
brawing paper and material	12	50 — 285	75
Lectures-		3	75
Prof. Christy, honorium returned		10	00
Donations—			
Unknown		126	-6
		120	50
Contingent Fund—			
Returned to Treasury		100	00
		\$43,458	78

MECH	ANICS'	INSTITUTE.

27

Secretary.

Twenty-eighth Industrial Exposition—	
Receipts from all sources	33,799 72
Cash Balance—	
March 1, 1895	1,501 78
•	\$78,760 28

NOTE.—The receipts reported by the Secretary and Librarian for dues, books, etc., differ slightly, on account of the latter receiving moneys on February 29th too late to be included in bank deposits for that day.

EXPENDITURES.			
Library—			
Advertising	\$10	85	
Books	3,446	06	
Binding		09	
Expense	930	06	
ruel	178	13	
Furniture	572	49	
Interest		A STATE OF THE PARTY OF THE PAR	
Insurance			
Lighting			
Periodicals	1,487	32	
Printing and stationery	955	92	
Repairs			
Salaries	8,000		
Taxes			
Water		0	
Pavilion—		 \$23,945 4	0.
	1-1-63		
Repairs to building			
Repairs to machinery			
Insurance, , , , , , , , , , , , , , , , ,			
Gas and lighting	1,160	49	
Salaries			
Taxes		46	
Water			
General expenses	1,371	23	
		— 11,9 3 8 1	I

Classes—				
Salaries	\$652	00		
Printing and advertising	and the second second	88		
Lighting		40		
Material and labor		OI		
			\$709	29
Lectures—				
Printing and advertising	\$44	00		
Illustrating		10		
Rent and expense of hall		15		
Lecturers	221			
			426	75
Folsom Street—				
Interest	#6 000	00		
Taxes	871			
		50		
Improvements			6,893	73
Bills Payable—			, , , ,	
University of California			10,000	СО
Twenty-seventh Industrial Exposition—				
Unsettled account			10	00
				 -
			\$53,923	28
Twenty-eighth Industrial Exposition—				
Expenses of			23,615	71
Cash Balance—				
March 1, 1896			1,221	29
			#=0 =60	00
			\$78,760	20
Respectfully submitted,				
	TI (\TTT	VED	
	Г. Н. (VER,	

Secretary.

SUMMARY

OF RECEIPTS AND EXPENDITURES FOR THE YEAR ENDING FEBRUARY 29, 1896.

Library and Building, 31	PROFIT.	Loss.
Post street—		
Receipts \$29,056 71		
Expenses 23,945 40		
Balance to profit	\$5,111 31	
Pavilion—		
Receipts\$13,879 76		
Expenses 11,938 11	•	
Balance to profit	1,941 65	
Classes—		
Receipts \$285 75		
Expenses 709 29		
Balance to loss		\$423 54
Lectures—		
Receipts \$10 00		
Expenses 426 75		
Balance to loss		416 75
Folsom-street Lot—		
Expenses \$6,893 73		
Balance to loss		6,893 73
Donations—		
Receipts \$126 56		
Ψ120 30		
Balance to profit	126 56	

Contingent Fund—	
Receipts \$100 00	
Balance to profit	\$100 00
Twenty-seventh Industrial Exposition—	
Expenses	
Balance to loss	\$10 00
Twenty-eighth Industrial Exposition—	
Receipts\$33,799 72	
Expenses 23,615 71	
Balance to profit	10,184 01
Bills Payable—	
University of Califor-	
nia\$10,000 00	
Balance to loss	10,000 00
	\$17,463 53 \$17,744 02
Excess of expenditures	
over receipts	280 49
Cash Balance—	
March 1, 1895 \$1,501 78	
Cash Balance—	
March 1, 1896 1,221 29	280 49
	J. H. CULVER,

MECHANICS' INSTITUTE.

These were assigned to:

LIBRARIAN'S REPORT

To the President and Board of Trustees:

GENTLEMEN: I have the honor to present the forty-first annual report of the work and condition of the Library for the year ending February 29, 1896.

MEMBERSHIP.

Number of members reported February		
28, 1895		4,465
New members1,309		
Life members 5		
	1,314	
Withdrawn and dropped	1,070	
Net gain	3	244
Membership February 29, 1896		4,799
Honorary 10 Life		

Four life members have died during the year: James Batchelder, George W. Gibbs, Joseph Macdonough and Ira P. Rankin.

BOOKS.

The accessions for the year number 3,475 volumes, with the following classification:

Bibliography	18	Fine Arts 77
General Periodicals	189	Poetry and Drama 89
Philosophy	35	Fiction and Juvenile1,726
Religion	44	Literature, Essays, Let-
Sociology	379	ters 109
Philology		
Natural Science		
Useful Arts	37 I	History 90

These were assigned to:	
Reference department	737
Circulation	2 728
Pamphlets and unbound volumes:	inero ratacine
Purchased	
Gift	633
TABLE OF BOOKS AND ACCESSIONS.	
Number of volumes reported Feb. 28, 1895	68,238
Accessions by purchase2,487	
Accessions by gift	
Accessions by binding	
	475
Lost and paid for 79	
Lost with dropped members 36	
Worn out and disposed of 488	
Missing—unaccounted for 292	
	895
Net increase	2,580
Total, as per count, February 29, 1896	70.818

The number of volumes in the Library, with location and classification, will be found in Appendix II.

Pamphlets	2,835
Unbound periodicals	588

There have been returned to the Superintendent of Documents at Washington 352 duplicate agricultural and census bulletins. 119 volumes unbound periodicals were disposed of by direction of the Committee on Library, Rooms and Building.

MAPS.

The collection of	maps,	charts,	etc.,	belonging	to	the In-
stitute comprise:						

T 7 2
173
16
14
35
77
86
401
20
1

A complete list is in Appendix III.

BINDING.

New books, periodicals and pamphlets bound 6	40	
Old books re-bound	72	
	_	1,612
Repaired in the Library		4,054

PERIODICALS.

The Library and Reading-room are well supplied with the representative newspapers and periodicals of the world.

American	351	
Foreign	96	
D:1		447
Paid	305	
Presented	142	
	142	4.47
		447

In addition, the following magazines are taken for circulation as books, and are eagerly sought after:

Arena3	Mungoria
Atlantic	Munsey's2
Contuer	Nineteenth Century1
Century5	North American Review2
Cosmopolitan3	Outing
Eclectic	Overland
Forum 2	Popular Science Monthly 2
Harper's 6	Review of Reviews2
Lippincott's2	St Nicholan
McClure's	St. Nicholas
meetures2	Scribner's5
The emperation of the state of	
The expenditures in this de	epartment were:
For books	\$3,446 06
For periodicals	· · · · · · · I · 487 32
For binding	854 00
Total expenditure	\$5,787 47
DONAT	
The gifts to the Library we	
Round volumes	ie:
Bound volumes	348
onbound volumes and pamphie	ts 622
remodicals	I42
Maps	
A list of James 111 1 C	10

CIRCULATION.

A list of donors will be found in Appendices IV and V.

There were issued for home use during the 307 days the Library was open 185,875 volumes, an average issue of 605 daily, under the following classification:

classification.								
General periodicals	6,079	Poetry and Drama 2,749						
Philosophy	1,472	Fiction and Juvenile . 145,456						
Religion	1,004	Literature, Essays and						
Sociology	2,067	Letters 5,411						
Philology	309	Geography and Travel 4,420						
Natural science	1,881	Biography 4,271						
Useful Arts	2,802	History						
Fine Arts	3,402	4,552						

The largest issue in one day was 1,213 volumes.

This is the largest annual circulation in the history of the Institute, and if we add about 65 per cent for books used in the Library rooms, of which no record can be kept, an idea of the use made of the Library by the members may be formed.

As a part of our system of selection of books a "Request Book" has been prepared and placed on the delivery desk, and members are urged to record any book they would like to see in the Library. This "Request Book" is taken into the meetings of the Book Committee, where all requests are carefully considered. This method brings the members into direct communication with the committee, and is a sure means of arriving at the needs of the Library from every point of view.

CATALOGUING.

I am not able to report any material advance in cataloguing during the past year. The current accessions, philology, ancient literature and a large number of miscellaneous books have taken all the time that could be devoted to this part of the work. The hope for department catalogues is still unrealized, though their need is felt more and more as the work increases.

SUNDAY.

The Library is open on Sunday from 10 A. M. to 5 P. M., for reference and reading purposes only, no books being given out or received on that day.

The average number of visitors daily is 39.

CLASSES.

Evening classes in Mechanical Drawing, Free-hand Drawing and Mathematics are held in the Library building two evenings each week.

Autumn term September to December, 1895.

Spring term January to June, 1896.

The classes are open to members and the children of mem-

bers. The fee for the autumn term was 75 cents, and for the Spring term \$1.50.

Ninety-three have registered for the Spring term.

LECTURES.

Lectures are given in the Library rooms during the winter, on successive Saturday evenings, free to members and their friends. The series for 1895-96 were of unusual interest, and were listened to by large audiences. The following is a complete list of the series:

LECTURES—SEASON 1895-96.

OCTOBER 5TH.

Shehadi A. Shehadi—"Syria; Its History, Government, Religion and Customs" (with music).

OCTOBER 19TH.

Mr. Solly Walter-" Local Art."

OCTOBER 26TH.

Prof. David Starr Jordan (President Leland Stanford Jr. University)—"Evolution; What It Is, and What It Is Not."

NOVEMBER 2D.

Hon. James G. Maguire—"Effects of Taxation on the Distribution of Wealth."

NOVEMBER 9TH.

Prof. George Davidson—"A Sewer System for San Francisco."

NOVEMBER 16TH.

Dr. Julius Koebig—"Beet Sugar Industry and Its Importance to California."

NOVEMBER 23D.

Prof. H. T. Ardley (University of California)—"An Artist's Tour Around the World."

NOVEMBER 30TH.

Prof. H. T. Ardley, University of California — "The Anatomy of Expression in the Human Face and Figure" (illustrated).

DECEMBER 14TH.

Mr. George W. Dickie-"A Man and a Man-of-War."

DECEMBER 21ST.

John A. Miller, M.D.—" Phases of Nervousness Peculiar to Men and Women in Modern Life."

JANUARY 4TH.

Mr. A. F. Morrison-" The Monroe Doctrine."

JANUARY IITH.

Prof. A. O. Leuschner (University of California)—"Some Recent Advances in Astronomy" (illustrated).

JANUARY 18TH.

Mr. W. H. Smyth, M.E.—"The Art of Invention and Its Bearing on Education."

JANUARY 25TH.

Prof. Joseph Le Conte (University of California)—" Origin of the Peninsula Keys and Reef of Florida."

FEBRUARY IST.

Prof. W. H. Hudson (Leland Stanford Jr. University)—" Alfred Tennyson."

FEBRUARY 8TH.

Mr. A. H. Sanborn—"Efforts for Securing Representative Government."

FEBRUARY 15TH.

Prof. E. W. Hilgard (University of California)—"Deserts, Steppes and Alkali Lands."

FEBRUARY 29TH.

Hon. W. W. Morrow—"Six Years with Statesmen" (illustrated).

RECEIPTS

(FOR YEAR ENDING FEBRUARY 29, 1896.)

Fees—New members	\$1,309	00
Life members	250	
Quarterly dues	22.151	00
Books lost and paid for (79)	81	
Fines collected (5,860)	829	No.
Extra books (5,856)		20 10 10 10
Evening classes	585	
Evening classes.	272	00
Sundries (drawing paper, etc.)	17	65
Total receipts at Library	\$25,495	70
Deposited	\$25,495	70

A table of statistics will be found in Appendix I.

The foregoing statistics show an increase in the work the Mechanics' Institute is doing in this community. In a time of such stress in the business world it is very encouraging to see that this Library has kept itself a little ahead of the tide.

MECHANICS' INSTITUTE.

In fact, the library outlook in California has never been brighter.

Reports show that the collection of books in the larger cities are used to a much greater extent than ever before, and public libraries are being organized in nearly all the villages and smaller towns throughout the State. They are becoming almost as much a necessity to a community as the public school, to which they are a most important adjunct. The library and school go hand in hand in the broad work of popular education, and their relation to the mental and moral culture of the individual is almost equally important.

The "Library Association of Central California," organized in this city last year, is using its influence to widen the sphere of the library and increase its usefulness by bringing it into closer relations with the schools and reading public generally.

It may be that our Library is still somewhat unevenly proportioned in the various departments, and it is hoped that the coming year will see it rounded out into a more symmetrical whole.

Respectfully submitted,

A. M. JELLISON,

March 7, 1896.

Librarian.

SUMMARY OF LIBRARIAN'S REPORT

FOR 1895-96

During the year 1,314 members, including 5 life members, have joined the Institute, and 1,070 have withdrawn or been dropped from the books, a net gain of 244, leaving the present membership 4,709.

The accessions number 3,475 volumes, making the total number on the shelves 70,818. Of this number 2,487 were added by purchase, 348 by gift, 640 by binding. There are also 2,835 pamphlets and 420 maps and charts.

The Reading-room is supplied with 447 newspapers and periodicals, and 46 of the more prominent magazines are circulated as books.

The total expenditures in this department for the year were \$5,787.47, as follows: For books, \$3,446.06; periodicals, \$1,487.32; binding, \$854.09.

The gifts to the Library were: Books, 348; pamphlets, 633; periodicals, 142; maps, 16.

There were issued for home use during the 307 days the Library was open 185,875 volumes, an average daily circulation of 605. This is an increase of 15 per cent over any previous year in the history of the Institute. With the absolute freedom of the shelves that members enjoy no record can be kept of the use of books in the library, but it is safe to assume that it is at least 65 per cent of the outside circulation.

The classes are well attended, and doing good work.

The series of lectures just closed were unusually interesting, and were listened to by crowded audiences.

A. M. JELLISON, Librarian.

APPENDIX I.—SUMMARY OF STATISTICS—1881-1896.

Member	rship	1,537	1,524	1,618	1,919	2,123	2,531	2,852	3,160	3,557	3,970	4,076	4,130	5,541	4,371	4,465	4.709
Circulat	tlon	47,55	46,873	44,236	51,464	50,759	72,121	89,431	92,827	100,503	114,678	135,972	139,090	152,709	160.992	153,330	185,875
Number	r of	30,207	31,187	32,620	34,620	36,328	38,627	41,465	45,051	47,656	51,820	54,982	57,934	62,444	66,462	68,363	818.07
Accessic	ons, es	1,878	1,356	1,758	2,053	2,792	3,302	3,394	3,809	3,713	4,701	4,147	4,017	5,321	5,086	3,733	3,475
	Total	\$16,826 59	14,245 06	14,486 69	14,854 32	19,925 05	19,899 50	20,080 55	20,291 80	27,672 66	23,523 97	25,270 38	26,541 95	25,354 47	27,733 78	23,799 76	23, 645 40
	Other	\$6,129 37	5,239 99	4,724 63	5,626 23	7,910 07	7,490 91	6,819 61	6,224 51	7,283 63	7,612 37	7.401 98	8,341 12	7,251 07	7,791 58	7,383 45	9,857 23
si.	Salaries	\$5,341 00	5,342 50	5,342 50	4,982 09	5,488 15	6,132 00	6,445 50	6,602 00	7,540 00	8,162 50	8,883 00	9.712 50	10,059 50	10,734 65	9,154 85	8,000 70
EXPENDITURES	Total, books, periodicals, binding	\$5,356 22	3,762 57	4,419 56	4,206 09	6,526 83	6,376 59	6,815 44	7,465 29	7,849 03	7,749 10	8,985 40	8,488 33	8,043 90	9,207 55	7,261 46	5,787 47
EX	Binding	\$1,386 49	745 48	738 19	658 35	1,327 21	1,194 90	1,234 89	1,438 97	2,413 14	1,648 07	2,594 43	1,641 31	1,731 43	2,477 81	1,325 01	854 09
	Periodicals	\$1,243 36	1,314 18	1,526 63	1,482 73	1,014 74	1,051 37	1,382 52	1,386 63	1,589 18	1,276 22	1,670 81	2,340 61	1,215 05	1,532 09	2,922 34	1,487 32
	Books	\$2,726 37	1,702 91	2,154 74	2,105 01	4,134 88	4,130 32	4,198 (3	4,689 69	3,846 71	4,824 81	4,720 13	4,506 41	5,097 42	5,197 65	3,714 11	3,446 (6
	Total	\$8,713 72	8,450 25	8,318 85	10,244 08	11,597 15	14,264 10	15,411 75	17,712 06	20,054 85	22,072 90	24,263 85	24,999 62	28,275 55	25,936 40	24,564 01	25,495 70
RECEIPTS.	Other		\$26 60	69 35	08 00	44 15	140 60	184 25	209 16	248 85	403 90	1,400 35	1,666 12	1,619 05	2,020 40	2,104 01	1,785 70
•1	Fees and dues	\$8,713 72	8,393 75	8,249 50	10,146 08	11,553 00	14,123 50	15,227 50	17,503 50	19,803 00	21,669 00	22,863 50	23,333 50	26,656 50	23,916 00	22,460 00	27,710 00
	YEAR ENDING MARCH 1ST.	1881	1882	1883	1884	1885	1886	1887	1888.	1889	1890	1891	1892	1893	1894	1895	1896

APPENDIX II

	Reference	Circulation
Encyclopædias	286	
Bibliography	180	38
Periodicals	6,917	1,269
Philosophy	192	748
Theology	73	1,188
Sociology	1,125	1,452
Education	F 1000 - 0	262
Philology	112	162
Natural Science	1,005	1,523
Useful Arts	1,805	2,189
Fine Arts	341	915
Literature	277	544
Poetry		1,117
Drama		291
Fiction		11,408
Juvenile Fiction		1,498
Essays and Speeches		956
Letters		84
Humor		206
German		436
French		1,865
Italian		12
Spanish		201
Travel	302	2,386
Biography	173	3,071
History	292	2,486
Juvenile Travel, History, Science, etc		502
California Reports	151	
United States Government Reports	4,607	
Patents (British)	5,172	
Patents (American)	582	
Newspapers	789	
Directories	297	
Miscellaneous	915	2,756
Registers (number of books in members'		
hands)		5,660
	· 	
	25,593	45,225

APPENDIX III—LIST OF MAPS

Africa (South)105A
Alaska and Adjacent Territory—1869 Storeroom
Alaska (Chart of)—1890115
American Basin—1895 In 123
Arctic Ocean (Chart)—1885108
Arizona (Township and County Map)—1894.
Arizona Territory (Land Office Map)—1887 63
Arrarat Gold Fields (two sheets)P. R.
Ballarat Gold Fields
Bay Counties—189082
Bay Counties—1893 83A
Bernal Rancho—1869 37
California (Land Office Map)—1885 53A
California Railway Map—1889 78
California (Southern Private Grants and Pub-
lic Lands)—1885
California (Southern)—188621
California (Central)—1868
California (Central) and Portion of Nevada Storeroom
California (Unique Map)R. R.
California (Relief Map) Entrance Hall
California—
Alameda County—1874
Alameda County—188970
Alameda County—1894In 14A
Amador County—1881 4
Bay Counties—1890 82
Bay Counties—1893 83A
Berkeley—1892
Bernal Rancho—1869
Butte County—1868In 8
Butte County—1877 20
Colusa County—1885 32

California (Continued)—
Contra Costa Court
Contra Costa County—1885.
Contra Costa County—1894 In 14A
El Dorado County—1868
Fresno County—1874
Fresno County—1886
Glenn County—1894
Humboldt County—186522
Humboldt County—188628
Inyo County—1884
Kern County—1875
Kern County—1888 In 105
Kern County—1888 71
Kings County—1893
Lake County—1892
Los Angeles County—1877 18
Los Angeles County—1886
Los Angeles County—r888
Marin County—1892 8A
Mendocino County
Merced County—1872 30
Modoc County—1887 49
Monterey County—1877
Napa County—1876 34
Napa Valley and St. Helena—1881
Nevada County—1880
Oakland and vicinity 10
Oakland and vicinity—1892 1A.
Oakland and vicinityStoreroom
Orange County—1892 21A
Placer County—1868
Placer County—1887
Plumas County—1886
Plumas County—1892
Sacramento County—1868
Sacramento County—188531
Sacramento Valley-1895122

California (Continued)—
Sacramento Valley and Lower San Joaquin
Valley—1894124
St. Helena—1881
San Benito County—1891
San Bernardino County1886
San Bernardino County—1891 14B
San Diego County—1886
San Diego County—1889 81
San Diego County—1889 56
San Francisco City and County—1882 Storeroom
San Francisco City and County—1884 43
San Francisco City and County—1888 67
San Francisco City and County—1889 69
San Francisco City and County—1893118
San Francisco City and County—1892R. R.
San Francisco and Surroundings—1895 Chess Room
San Francisco Golden Gate Park-1892 Hall, 2d st'y
San Francisco Water Front-1889Storeroom
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Citation and World (Mathateu)
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Circum-polar Chart—1882 (2 sheets) P. R. Colorado (Land Office Map)—1885
Circum-polar Chart—1882 (2 sheets) P. R. Colorado (Land Office Map)—1885
Circum-polar Chart—1882 (2 sheets) P. R. Colorado (Land Office Map)—1885 57 Eastern Hemisphere—1881 110 Hawaiian Islands—1876 41
Circum-polar Chart—1882 (2 sheets) P. R. Colorado (Land Office Map)—1885 57 Eastern Hemisphere—1881 110 Hawaiian Islands—1876 41 Idaho Territory (Land Office Map)—1883 61
Circum-polar Chart—1882 (2 sheets) P. R. Colorado (Land Office Map)—1885 57 Eastern Hemisphere—1881 110 Hawaiian Islands—1876 41 Idaho Territory (Land Office Map)—1883 61 Idaho (Sectional Map)—1891 In 112
Circum-polar Chart—1882 (2 sheets) P. R. Colorado (Land Office Map)—1885 57 Eastern Hemisphere—1881 110 Hawaiian Islands—1876 41 Idaho Territory (Land Office Map)—1883 61 Idaho (Sectional Map)—1891 In 112 Mexico—1873 40
Circum-polar Chart—1882 (2 sheets) P. R. Colorado (Land Office Map)—1885 57 Eastern Hemisphere—1881 110 Hawaiian Islands—1876 41 Idaho Territory (Land Office Map)—1883 61 Idaho (Sectional Map)—1891 In 112 Mexico—1873 40 Mexico (Land Office)—1885 In 101
Circum-polar Chart—1882 (2 sheets) P. R. Colorado (Land Office Map)—1885 57 Eastern Hemisphere—1881 110 Hawaiian Islands—1876 41 Idaho Territory (Land Office Map)—1883 61 Idaho (Sectional Map)—1891 In 112 Mexico—1873 40 Mexico (Land Office)—1885 In 101 Montana Territory (Land Office Map)—1887 62
Circum-polar Chart—1882 (2 sheets) P. R. Colorado (Land Office Map)—1885 57 Eastern Hemisphere—1881 110 Hawaiian Islands—1876 41 Idaho Territory (Land Office Map)—1883 61 Idaho (Sectional Map)—1891 In 112 Mexico—1873 40 Mexico (Land Office)—1885 In 101 Montana Territory (Land Office Map)—1887 62 Montana Territory (Sectional Map)—1891 In 112
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Circum-polar Chart—1882 (2 sheets) P. R. Colorado (Land Office Map)—1885 57 Eastern Hemisphere—1881 110 Hawaiian Islands—1876 41 Idaho Territory (Land Office Map)—1883 61 Idaho (Sectional Map)—1891 In 112 Mexico—1873 40 Mexico (Land Office)—1885 In 101 Montana Territory (Land Office Map)—1887 62 Montana Territory (Sectional Map)—1891 In 112 Nevada—1886 59 Nevada—1887 48 Nevada (Land Office Map)—1886 58
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Circum-polar Chart—1882 (2 sheets) P. R. Colorado (Land Office Map)—1885 57 Eastern Hemisphere—1881 110 Hawaiian Islands—1876 41 Idaho Territory (Land Office Map)—1883 61 Idaho (Sectional Map)—1891 In 112 Mexico—1873 40 Mexico (Land Office)—1885 In 101 Montana Territory (Land Office Map)—1887 62 Montana Territory (Sectional Map)—1891 In 112 Nevada—1886 59 Nevada—1887 48 Nevada (Land Office Map)—1886 58 Nevada (Washoe District)—1879 24 New Mexico (Land Office Map)—1886 66
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Circum-polar Chart—1882 (2 sheets) P. R. Colorado (Land Office Map)—1885 57 Eastern Hemisphere—1881 110 Hawaiian Islands—1876 41 Idaho Territory (Land Office Map)—1883 61 Idaho (Sectional Map)—1891 In 112 Mexico—1873 40 Mexico (Land Office)—1885 In 101 Montana Territory (Land Office Map)—1887 62 Montana Territory (Sectional Map)—1891 In 112 Nevada—1886 59 Nevada (Land Office Map)—1886 58 Nevada (Washoe District)—1879 24 New Mexico (Land Office Map)—1886 66 Oregon (Land Office Map)—1884 64 Oregon (Sectional Map) In 112
Circum-polar Chart—1882 (2 sheets) P. R. Colorado (Land Office Map)—1885 57 Eastern Hemisphere—1881 110 Hawaiian Islands—1876 41 Idaho Territory (Land Office Map)—1883 61 Idaho (Sectional Map)—1891 In 112 Mexico—1873 40 Mexico (Land Office)—1885 In 101 Montana Territory (Land Office Map)—1887 62 Montana Territory (Sectional Map)—1891 In 112 Nevada—1886 59 Nevada (Land Office Map)—1886 58 Nevada (Washoe District)—1879 24 New Mexico (Land Office Map)—1886 66 Oregon (Land Office Map)—1884 64

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MECHANICS	INSTITUTE

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Europe—1893 Entrance Hall
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Asia—1893 Entrance Hall
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South America—1893 Entrance Hall

FranceEntrance	LI all
California_1801	5 II all
California—1891 Entrance	e Hall

GEOLOGIC ATLAS OF THE UNITED STATES.

- 1. Montana-Levingston.
- 2. Georgia—Tennessee—Ringgold.
- 3. California—Placerville.
- 5. California—Sacramento.
- 11. California—Jackson.
- 15. California—Lassen Peak.
- 17. California-Marysville.
- 18. California—Smartsville.
- 4. Tennessee-Kingston.
- 6. Tennessee—Chattanooga.
- 8. Tennessee—Sewanee.
- 16. Tennessee—North Carolina—Knoxville.
- 20. Tennessee-Cleveland.
- 7. Colorado—Pike's Peak.
- 9. Colorado-Anthracite-crested Butte.
- 12. Kentucky-Virginia-Tennessee-Estilville.
- 13. Virginia-Maryland-Fredericksburg.
- 10. Virginia-Maryland-West Virginia-Harper's Ferry.
- 14. Virginia-West Virginia-Staunton.
- 19. Alabama—Georgia—Tennessee—Stevenson.

UNITED STATES—WAR DEPARTMENT (CORPS OF ENGINEERS)
MAPS.

California and Nevada, with parts of Utah and Arizona—1879. Dakota Territory—1872. (Third Edition 1878.) (Two sheets.) Indian Territory—Military Map—1875. (Four sheets.) Montana Territory—1872. (Second Edition 1875.) (Two sheets.)

Oregon (State of) and Washington and Idaho Territories—1879. Preliminary map of surveys in Colorado made on reconnaissance of Ute country—1873.

MECHANICS' INSTITUTE.

Reconnaissance from Carroll, Montana Territory, to Yellowstone National Park—1875.

Reconnaissance of Routes, Department of the Platte—1875-77. Roads from Fort Dodge, Kansas, to Camp Supply, Indian Territory—1872.

Route (new) from Texas to Fort Yuma, California. (Two sheets.)

San Francisco—Map of Military Reservation of Fort Point, San Jose—November, 1880.

San Francisco—Map of Military Reservation of the Presidio—August, 1880.

United States from Mississippi River to Pacific Ocean—1865–68. (Four sheets.)

Yellowstone and Missouri Rivers and their Tributaries— 1859-60. (Rev. 1876.)

Yellowstone and Missouri Rivers and their Tributaries—1859–60. (1877.) (Western Sheet.)

Yukon River, Alaska—1869. (1871.)

UNITED STATES—WAR DEPARTMENT (CORPS OF ENGINEERS)
CHARTS.

Detroit River—1873. (1876.)

Erie, Lake-1849.

Huron, Lake-1860.

Mackinac, Straits of-1849-54. (1874.)

Michigan, Lake (North End)—1851-66. (1867.)

Michigan, Lake, (South End)—1866-74. (1876.)

Mississippi River—1876-9. (16 Charts.)

Ontario, Lake—1873-5. (1877.)

Saint Clair, Lake-1867-71. (1873-4.)

Saint Clair, River-1867. (1871-2.)

St. Lawrence River—1871-4. (1875-6.)

St. Marie River--1853-55. (1857-8.)—

Chart 1, Point Iroquois to East Neebisch.

Chart 2, Entrance of Mud Lake to the East Neebisch.

Superior, Lake-1855-72. (1870-3.)

UNITED STATES COAST SURVEY-CHARTS.

Anacapa Island and East End of Santa Cruz Island—1856. (Ed. of 1879.)

Bellingham Bay, Washington Ter.—1856.

Blakeley Harbor, Washington Ter.—1856.

Bodega Bay, Cal.—1864.

Budd's Inlet, Puget Sound, Washington Ter.-1876.

Cape Flattery and Nee-ah Harbor, Washington—1853. (Ed. of 1879.)

Captain's Bay and Vicinity, Unalaska Island, Alaska—1875.

Catalina Harbor and Isthmus Cove, Santa Catalina Island, Cal.—1875.

Chetko Cove, Or.-1870-3 (1874).

Columbia River—1874–9 (three sheets).

Columbia River (Approaches)-1878.

Commencement Bay, Puget Sound, Washington Ter.-1877.

Coquille River, Or. (Entrance and Part of)-1861.

Cordell Bank, off Point Reyes, Cal.-1869.

Coxo, San Luis Obispo, Santa Cruz and San Simeon Harbors, Cal.—1852.

Crescent City and St. George's Reef, Cal.—1875.

Cuyler's Harbor, San Clemente Harbor, Prisoner's Harbor, Cal.—1852.

Drake's Bay, Cal.-1860.

Dungeness Harbor, Washington (False and New)—1853-56.

Etoline Harbor, Wrangel Island, Kootsnoo Rapids—1869.

Halfmoon Bay, Cal.—1863. (Corr. to 1879.)

Humboldt Bay, Cal.—1858. (Ed. of 1879.)

Hunter's Cove, Or., Mack's Reef-1875.

Koos Bay, Or.—1865. (Corr. to 1879.)

Kootsnoo Rapids, Etoline Harbor, Wrangel Island-1869.

Lower California from Cape San Lucas to Cerros Island—1874.

Lower California from Cerros Island to San Diego—1874.

Mack's Reef, Hunter's Cove, Or.—1875.

Mare Island Strait, California—1876.

Mendocino Bay, California—1874.

Mendocino Cape and Blunt's Reef, Cal.—1869-72 (1877).

Monterey Bay, Cal.—1857. (Corr. to 1878.)

Monterey Harbor, Cal.—1852.

Nee-ah Harbor and Cape Flattery, Wash.—1853 (Ed. of 1879).

Northwest Coast of America-

Sheet 1—(Missing.)

Sheet 2—Dixon entrance to Cape St. Elias—1868.

Sheet 3—Icy Bay to Seven Islands—1868 (Corr. to 1877).

Orford Cape and Reef, Or.-1874.

Pacific Coast from Point Pinos to Bodega Head-1862.

Petaluma and Napa Creeks-1861.

Point Pinos, Bay of Monterey, 1851.

Point Sal, Cal.-1867.

Port Ludlow, Wash. Ter.—1856.

Port Townsend, Wash. Ter.—1858. (Ed. of 1879.)

Prisoner's Harbor, San Clemente Harbor, Cuyler's Harbor, Cal.—1852.

Puget Sound, Wash. Ter.-1867. (Corr. to 1879.)

St. George's Reef and Crescent City, Cal.—1875.

San Clemente Harbor, Prisoner's Harbor, Cuyler's Harbor, Cal.—1852.

San Clement Island, Cal., (Southeast anchorage)—1856 (1877).

San Diego Bay, Cal.-1859.

San Francisco Peninsula-1869.

San Luis Obispo, Santa Cruz, Coxo and San Simeon Harbors, Cal.—1852.

San Luis Obispo Bay and Approaches, Cal.—1876.

San Pablo Bay, Cal.-1863. (Corr. to 1879.)

San Pedro Anchorage and Vicinity of Santa Barbara, Cal.—1855.

San Simeon, Coxo, San Luis Obispo and Santa Cruz Harbors, Cal.—1852.

Santa Barbara, Cal.—1870 (1877).

Santa Barbara (Vicinity of) and San Pedro Anchorage, Cal., (1855).

Santa Cruz, San Simeon, Coxo and San Luis Obispo Harbors, Cal.—1852.

Santa Cruz Island (East end) and Anacapa Island—1356. (Ed. of 1879)

Santa Monica, Cal.—1876.

Seattle Harbor, Puget Sound, Wash. Ter.-1879.

Semi-Ah-Moo Bay, Wash. Ter.—1858.

Shilshole Bay, Wash. Ter.—1867.

Shoalwater Bay, Wash. Ter.—1856.

Smith's or Blunt's Island-1854. (Corr. to 1870.)

Steilacoom Harbor, Wash. Ter.—1856.

Suisun Bay, Cal.—1872. (Corr. to 1878.)

Symonds Bay, Sitka Sound, Alaska-1879 (1880.)

Tillamook Bay, Or.-1867.

Tomales Bay, Cal.—1863. (Corr. to 1878.)

Trinidad Harbor, Cal.—1874.

Umpquah River, Or., (Entrance)-1854.

Western Coast of U.S., Preliminary Surveys of Harbors—1854.

Western Coast of U. S., San Francisco to San Diego—1853. (Corr. to 1880.)

Western Coast of U. S., San Francisco to Umpquah River—1854. (Corr. to 1878.)

Western Coast of U. S., Umpquah River to Boundary—1855. (Corr. to 1878.)

Yaquina River Entrance, Or.—1868 (1876).

UNITED STATES GEOGRAPHICAL SURVEY, West of the 100th M.

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Atlas Sheet No.		41B
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Atlas Sheet	84C	

CALIFORNIA STATE MINING BUREAU.

California—Preliminary Mineralogical and Geological Map— 1891 (four sheets).

Forest Hill Divide, Placer county, Cal.

Iowa Hill Mining District, Placer county, Cal. (three sheets). Mother Lode Region.

APPENDIX IV—GIFTS

List of Donors, 1895-1896.	Books	Pamphlets	Maps
Academy of Natural Sciences of Phila	a-		
delphia		3	
American Humane Association		4	
Anonymous			
Associated Charities of Boston		3	
Babcock and Wilson Co			
Baltimore Sun		I	
Becker, G. F.		I	
Blake, Mrs. Chas. E		13	
Blankeney, Wm. T		2	
Boss, M. P		I	
Brooklyn Library		I	
Brown, Mrs. C. B.		2	
Bureau of Labor Statistics of Illinois		I	
Bunker, W. M	•		Ι
State Agricultural Society State Department		I '	
State Mining Bureau			
California Academy of Sciences	. 3		
Canadian Patent Office		5	
Channing Auxiliary		4	
Chicago Public Library		T.	
Civic Federation of Chicago		T -	
Civil Service Reform Association		2	
Cleveland Public Library		Z	
Coleman, Wm. Emmette	. 8	2	
Collins, H. O		2	
Cooper, A		T	
Coulson, W. C		e de la Recepta	
Crane, Carlton C		Hill lite	
Detroit Public Library		2	Second.

List of Donors, 1895-1896.	Books	Pamphlets	Maps
Eldridge, Oliver			
Exposition of Industries, Fine Arts			
Mexico		I	
English Patent Office Reports		80	
Field Columbian Museum		I	
Field, Henry K		I	
Formhals, F		2	
Goffrie, Charles		8	
Hall, George E. P		8	
Hallidie, A S	. I		
Hamas, Arata		1	
Hayaski, T. K	. I		
Hearst, Mrs. Phoebe.	. 5		
Helena Public Library		5	
Higgins, M. R	. т		
Holmes, Howard C			3
Hubbard, A. S		I	
Indian Rights Association		3	
Jellison, A. M	. 2		
Johns Hopkins University		3	
Jones, C. E		I	
Junta Patriotica Mexicana		I	
Kelley, Miss R	. 3		
Ketlar, W. J			
King, W. Z		I	
Knights of Honor, Grand Lodge	100	I	
Knowles, Dr. W. A			
Leland Stanford Jr., University		I	
Lennox Library		I	
Library Association of Portland, Or		ſ	
Library Company of Philadelphia		I	
Lick Observatory			
Los Angeles Public Library		2	
Maryland Institute		I	
Mercantile Library Association		ī	
Merrill, G. B.		12	
Merry, Wm. L		I	

List of Donors, 1895-1896.	Books	Pamphlets	Maps
Minnesota Bureau of Labor		I	
Mount Holyoke College		I	
Mudgett, J. G	8	26	
Mundy, Ezekiel W		2	
McHenry, John	I		
Newsom, J. Cather	4		
Oakland Free Library		I	
Oceanic Steamship Company, Australian	ı		
papers			
Perkins, Geo. C	. І		
Philadelphia Times		I	
Providence Public Library		I	
Poujade, I		2	
Public Library of Cincinnati		I	
Rix, Alfred	57		
Root, Azariah S		2	
Root, Henry	. I	21	
Russell, John A	. І		
St. Louis Mercantile Library Association	1	I	
St. Louis Public Library		3	
Sacramento Industrial Association		6	
San Francisco Free Public Library		15	
San Francisco Fruit and Flower Mission		I	
Secretaria de Estado Republica Mexican	a	I	
Secretary of Grand Lodge, F. A. M	. I		
Society of California Pioneers		I	
Spear, John I		I	
State Medical Society	. I		
Sutro, Adolph		. 3	
Tulane University of Louisiana		I	
Turner, H. W		I	
Turner, W. H		I	
Tuttle, B. F	. 62		
Tyner, Paul		I	
UNITED STATES—			
Attorney General	. I		
Bureau of Education		3	

List of Donors, 1895-1896.	Books	Pamphlets	Maps
UNITED STATES (Concluded)-			
Chief of Engineers	I		
Chief of Ordnance	I		
Civil Service Commission	I		
Coast and Geodetic Survey		3	
Commissioner of Labor	I	3	
Committee on Finance		52	
Department of Agriculture	3	139	
Department of the Interior		25	
Department of Labor	I	2	
Department of the Treasury	I		
Department of War	4		
Geological Survey		10	
Interstate Commerce Commission	I	5	
Patent Office		15	
Smithsonian Institution	4	15	
Superintendent of Documents	100	15	9
Surgeon General	2		
University of California		19	
University of Pennsylvania		I	
Werner Co		I	
White, S. M	I		
Winterburn, Mrs. A. H	4		
Wright, Mrs. Geo	2		

APPENDIX V—PERIODICALS PRESENTED

Altrurian, Altruria (weekly).

American Institute of Mining Engineers' Transactions, New York.

American Patriot, San Francisco (weekly).

Argus, Melbourne (daily).

Australasian, Melbourne (daily).

Berkeleyan, Berkeley, Cal. (weekly).

Breeder and Sportsman, San Francisco (weekly).

Bureau of Statistics, Report, Washington, D. C. (quarterly).

California Academy of Sciences, Bulletins, Proceedings, Papers, San Francisco.

California Architect and Building News, San Francisco, (monthly).

California Demokrat, San Francisco (daily).

California Fruit Grower, San Francisco (weekly).

California Journal, San Francisco (weekly).

California Medical Journal, San Francisco (monthly).

California Orchard and Farm, San Francisco (weekly).

California Weather Service Bureau Bulletin, Sacramento, Cal. (weekly).

Californian, Bakersfield, Cal. (weekly).

Capital, Los Angeles (weekly).

Central Californian, San Miguel, Cal. (weekly).

Chino Valley Champion, Chino, Cal. (weekly).

Citrograph, Redlands, Cal. (weekly).

City Argus, San Francisco (weekly).

Clear Lake Press, Lakeport, Cal. (weekly).

Cloverdale Reveille, Cloverdale, Cal. (weekly).

Congressional Record, Washington, D. C.

Contra Costa Gazette, Martinez, Cal. (weekly).

Corning Observer, Corning, Cal. (weekly).

Criterion, San Francisco (weekly).

Daily Colusa Sun, Colusa, Cal.

Daily Commercial News, San Francisco.

Daily Telegraph, Sydney.

Dalles Times-Mountaineer, Dalles, Or. (weekly).

El Comercio, San Francisco (weekly).

Elevator, San Francisco (weekly).

Elko Independent, Elko, Nev. (weekly).

Engineer and Contractor, San Francisco (weekly).

Escondido Times, Escondido, San Diego County (weekly).

Esparto Press, Esparto, Yolo county (weekly).

Evening Bulletin, San Francisco (daily).

Evening Post, San Francisco (daily).

Examiner, San Francisco (daily).

Foot-Hills Weekly Tidings, Grass Valley, Cal.

Fresno Republican, Fresno (daily).

Germania, San Francisco (weekly).

Gilroy Gazette, Gilroy, Cal. (weekly).

Globe Review, San Francisco (weekly).

Grocer and Country Merchant, San Francisco (weekly).

Harmony, San Francisco (monthly).

Harvard University Bulletin, Cambridge, Mass. (irregular).

Hebrew, San Francisco (weekly).

Human Nature, San Francisco (monthly).

Imports and Exports, Summary, Washington, D. C. (monthly).

Insurance Times, New York (monthly).

Invention, London (monthly).

Jewish Progress, San Francisco (weekly).

Jewish Times, San Francisco (weekly).

Johns Hopkins University Circulars, Baltimore (monthly).

Kern Standard, Kern City, Cal. (weekly).

Lake County Bee, Lakeport, Cal. (weekly).

Lassen Advocate, Susanville, Cal. (weekly).

L. A. W. Bulletin, Chicago (weekly).

Lodi Review-Budget, Lodi, Cal. (weekly).

Los Angeles Saturday Times and Weekly Mirror, Los Angeles, Cal. (weekly).

Machinery Market and Exporter, London (irregular).

Mail of Woodland, Woodland, Cal. (daily).

Marysville Daily Appeal, Marysville, Cal.

Mendocino Beacon, Mendocino, Cal. (weekly).

Mining and Scientific Press, San Francisco (weekly).

Mission Journal, San Francisco (weekly).

Monitor, San Francisco (weekly).

Monthly Weather Reports, Washington, D. C.

Napa Register, Napa, Cal. (weekly).

Nation, San Francisco (weekly).

Natural Food, London (monthly).

News Letter, San Francisco (weekly).

Oakland Daily Evening Tribune, Oakland, Cal.

Oakland Saturday Night, Oakland, Cal. (weekly).

Occident, Berkeley, Cal. (weekly).

Official Gazette of the Patent Office, Washington, D. C.

Official Journal of the Patent Office, London.

Olympic, San Francisco (weekly).

Oregon State Journal, Eugene, Or. (weekly).

Oroville Register, Oroville, Cal. (weekly).

Pacific American, San Francisco (monthly).

Pacific Calendar and Catholic Church Bulletin, San Francisco (monthly).

Pacific Churchman, San Francisco (semi-monthly).

Pacific Health Journal, Oakland, Cal. (monthly).

Pacific Irish-American, San Francisco (weekly).

Pacific Medical Journal, San Francisco (monthly).

Pacific Rural Press, San Francisco (weekly).

Pacific Town Talk, San Francisco (weekly).

Pacific Union Printer, San Francisco (monthly).

Paradise of the Pacific, Honolulu (irregular).

Petalumian, Petaluma (weekly).

Penny Press, Santa Cruz (daily).

Placer Argus, Auburn, Cal. (weekly).

Placer Herald, Auburn, Cal. (weekly).

Plumas National Bulletin, Quincy, Cal. (weekly).

Press and Horticulturist, Riverside, Cal. (weekly).

Progress, San Francisco (weekly).

Queensland Government Gazette, New Zealand (irregular).

Red Bluff News, Red Bluff (weekly).

Redwood City Democrat, Redwood, Cal. (weekly).

St. Helena Star, St. Helena, Cal. (weekly).

Salinas Weekly Index, Salinas, Cal. (weekly).

San Diego Sun, San Diego, Cal. (daily).

San Francisco Chronicle (daily).

San Francisco Daily Report.

San Francisco Journal of Commerce (weekly).

San Jose Daily Herald.

San Jose Weekly Mercury.

San Luis Obispo Tribune, San Luis Obispo, Cal. (weekly).

Santa Cruz Surf, Santa Cruz, Cal. (weekly).

Sausalito News, Sausalito, Cal. (weekly).

Seismological Journal of Japan (irregular).

Shorthand Educator, Brooklyn, N. Y. (monthly).

Single Tax Courier, St. Louis, Mo. (weekly).

Smithsonian Miscellaneous Collections, Washington, D. C.

Specifications of Inventions, London.

Specifications and Drawings of Patents, Washington, D. C.

Star, San Francisco (weekly).

State Mining Journal, San Francisco (monthly).

Student's Journal, New York (monthly).

Sydney Morning Herald, Sydney (daily).

Technical Society of the Pacific Coast, Transactions, San Francisco (monthly).

Techniker, Der, Philadelphia (monthly).

Traveller, San Francisco (monthly).

Twentieth Century, New York (weekly).

United States Consular Reports, Washington, D. C.

United States Government Publications, Monthly Catalogue, Washington, D. C.

Universal Medical Journal, Philadelphia (monthly).

Urn, New York (monthly).

Vancouver Independent, Vancouver, Wash. (weekly).

Victoria Weekly Colonist, Victoria, British Columbia.

Voice of Labor, San Francisco (weekly).

Wasp, San Francisco (weekly).
Weekly Colusa Sun, Colusa, Cal.
Weekly Galt Gazette, Galt, Cal.
Weekly Independent, Elko, Nev.
Weekly People's Cause, Red Bluff, Cal.
Weekly Register, Mobile, Ala.
Wood and Iron, San Francisco (monthly).
Yreka Journal, Yreka, Cal. (weekly).

APPENDIX VI.—GENERAL LIST OF PERIODI-CALS, 1896.

ABC Guide, San Francisco (monthly).

Academy, London (weekly).

*Altrurian, Altruria (weekly).

American Academy of Political and Social Science, Annals, Philadelphia (bi-monthly).

American Agriculturist, New York (monthly).

American Antiquarian, Chicago (bi-monthly).

American Architect and Building News, Boston (weekly).

American Catholic Quarterly Review, Philadelphia.

American Chemical Journal, Baltimore (monthly).

American Economic Association, Publications, Baltimore (bi-monthly).

American Engineer and Railroad Journal, New York (monthly).

American Field, Chicago (weekly).

American Gas Light Journal, New York (weekly).

American Geologist, Minneapolis (monthly).

American Historical Review, New York (quarterly).

*American Institute of Mining Engineers, Transactions, New York.

American Institute of Electrical Engineers, Transactions, New York (monthly).

American Journal of Mathematics, Baltimore (quarterly).

American Journal of Philology, Baltimore (quarterly).

American Journal of Psychology, Worcester, Mass. (quarterly).

American Journal of Science, New Haven (monthly).

American Journal of Sociology, Chicago (quarterly).

American Machinist, New York (weekly).

American Magazine of Civics, New York (monthly).

American Meteorological Journal, Boston (monthly).

American Monthly Microscopical Journal, Washington, D. C.

American Naturalist, Philadelphia (monthly).

*American Patriot, San Francisco (weekly).

American Society of Civil Engineers, Transactions, New York.

American Society of Mechanical Engineers, Transactions, New York.

American Statistical Association, Publications, Boston (quarterly).

Annalen der Physik und Chemie, Leipsic (monthly).

Annalen der Physik und Chemie Beiblatter, Leipsic (monthly).

Annales de Chimie et de Physique, Paris (monthly).

Annales des Mines, Paris (monthly).

Annales des Ponts et Chaussées, Paris (monthly).

Annals of Hygiene, Philadelphia (monthly).

Architectural Review, Boston (semi-quarterly).

Arena, Boston (monthly).

Argonaut, San Francisco (weekly).

*Argus, Melbourne (daily).

Arizona Weekly Star, Tucson, A. T. (weekly).

Army and Navy Journal, New York (weekly).

Army and Navy Register, Washington, D. C. (weekly).

Art Amateur, New York (monthly).

Art Journal, London (monthly).

Art (1') pour Tous, Paris (monthly).

Association of Engineering Societies, Journal, Chicago (monthly).

Astronomical Society of the Pacific, Publications, San Francisco (irregular).

Astrophysical Journal, Northfield, Minn. (monthly).

Athenæum, London (weekly).

Atlanta Constitution, Atlanta, Ga. (weekly).

Atlantic Monthly, Boston.

*Australasian, Melbourne (daily).

Baltimore Sun, Baltimore (weekly).

Banner of Light, Boston (weekly).

Berg-und-Huettenmaennische Zeitung, Leipsic (weekly).

*Berkeleyan, Berkeley, Cal. (weekly).

Bismarck Weekly Tribune, Bismarck, N. D. (weekly).

Blackwood's Edinburgh Magazine, New York (monthly).

Bon Ton (le), New York (monthly).

Bookbuyer, New York (monthly).

Bookman, New York (monthly).

Book-seller, London (monthly).

Borderland, London (quarterly).

Boston Morning Journal.

Boston Weekly Transcript.

Braithwaite's Retrospect, London (semi-annual).

*Breeder and Sportsman, San Francisco (weekly).

British Association for the Advancement of Science, Report (London).

British Chess Magazine, London (monthly).

Brooklyn Eagle, Brooklyn, N.Y. (weekly).

Buffalo Courier, Buffalo, N.Y. (weekly).

Builder, London (monthly).

Bulletin, Sydney (weekly).

^{*} Presented.

^{*}Presented.

*Bureau of Statistics, Report, Washington, D. C. (quarterly).

*California Academy of Sciences, Bulletins, Proceedings, Papers, San Francisco.

*California Architect and Building News, San Francisco (monthly).

*California Demokrat, San Francisco (daily).

*California Fruit Grower, San Francisco (weekly).

*California Journal, San Francisco (weekly).

*California Medical Journal, San Francisco (monthly).

*California Orchard and Farm, San Francisco, Cal. (weekly).

*California Weather Service Bulletin, Sacramento (weekly).

*Californian, Bakersfield, Cal. (weekly).

*Cape Argus, Cape Town, Africa (weekly).

*Capital, Los Angeles (weekly).

Carpentry and Building, New York (monthly).

Catholic World, New York (monthly).

*Central Californian, San Miguel, Cal. (weekly).

Century Illustrated Monthly Magazine, New York.

Chambers's Journal, London (monthly).

Chatauquan, Meadville, Pa. (monthly).

Chemical News, London (weekly).

Chemical Society Journal, London (monthly).

Chicago Times-Herald (daily).

Chicago Tribune (weekly).

*Chino Valley Champion, Chino, Cal. (weekly).

*Christian Leader, Boston (weekly).

Cincinnati Gazette (weekly).

Citizen, Philadelphia (monthly).

*Citrograph, Redlands, Cal. (weekly).

*City Argus, San Francisco (weekly).

*Clear Lake Press, Lakeport, Lake Co., Cal. (weekly).

Clipper, New York (weekly).

*Cloverdale Reveille, Cloverdale, Cal. (weekly).

*Coming Nation, Tennessee City (weekly).

Commercial and Financial Chronicle, New York (weekly).

Commercial Herald and Market Review, San Francisco (weekly).

Comptes Rendus de l'Academie des Sciences, Paris (weekly).

*Congressional Record, Washington, D. C

Contemporary Review, London (monthly).

*Contra Costa Gazette, Martinez, Cal. (weekly).

Cornhill Magazine, London (monthly).

*Corning Observer, Corning, Cal. (weekly).

Cosmopolitan, New York (monthly).

Courier-Journal, Louisville, Ky. (weekly).

*Criterion, San Francisco (weekly).

Critic, New York (weekly).

Current Literature, New York (monthly).

Curtis' Botanical Magazine, London (monthly).

*Daily Colusa Sun.

*Daily Commercial News, San Francisco.

*Daily Telegraph, Sydney, N. S. W.

*Dalles Times-Mountaineer, Dalles, Oregon (weekly).

Decorator and Furnisher, New York (monthly).

Demorest's Family Magazine (monthly).

Deutsche Rundschau, Berlin (monthly).

Dial, Chicago (monthly).

Dinglers Polytechnisches Journal, Stuttgart (weekly).

Direct Legislation Record, New York (monthly).

Eclectic Magazine, New York (monthly).

Economist, London (weekly).

Edinburgh Review, London (quarterly).

Education, Boston (monthly).

Educational Review, New York (monthly).

*El Comercio, San Francisco (weekly).

Electrical Engineer, New York (weekly).

Electrical Review, London (weekly).

Electrical Review, New York (weekly).

Electrical World, New York (weekly).

Electrician, London (weekly).

*Elevator, San Francisco (weekly).

*Elko Independent, Elko, Nevada (weekly).

Engineer, London (weekly).

Engineer, New York (bi-weekly).

*Engineer and Contractor, San Francisco (weekly).

Engineering, London (weekly).

Engineering and Building Record and Sanitary Engineer, New York (weekly).

Engineering and Mining Journal, New York (weekly).

Engineering Magazine, New York (monthly).

Engineering News and American Railroad Journal, New York (weekly).

English Illustrated Magazine, London (monthly).

English Mechanic and World of Science, London (weekly).

Ervthea, Berkeley Cal. (monthly).

*Escondido Times, Escondido, San Diego Co., Cal. (weekly).

*Esparto Press, Esparto, Yolo Co. (weekly).

*Evening Bulletin, San Francisco (daily).

*Evening Post, San Francisco (daily).

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^{*} Presented.

Evening Star, Washington, D. C. (daily).

*Examiner, San Francisco (daily).

Farmers' Tribune, Minneapolis (weekly).

Federated Institution of Mining Engineers, Transactions, London.

Field, London (weekly).

Fliegende Blatter, Munich (weekly).

*Foot Hills Weekly Tidings, Grass Valley.

Forest and Stream, New York (weekly).

Fornightly Review, London (monthly).

Forum, New York (monthly).

Frank Leslie's Popular Monthly, New York (monthly).

Franklin Institute, Journal, Philadelphia (monthly).

Freidenker, Milwaukee (weekly).

*Fresno Republican, Fresno (daily).

Galveston Semi-weekly News, Galveston, Texas (weekly).

Garden and Forest, New York (weekly).

Gazette des Beaux-Arts, Paris (monthly).

Gegenwort, Die, Berlin (weekly).

Geographical Journal (including the proceedings of the Royal Geographical Society), London (monthly).

Geological Society, Quarterly Journal, London.

Geological Society of America, Bulletin, Rochester, N. Y. (irregular .

*Germania, San Francisco (monthly).

*Gilroy Gazette, Gilroy, Cal. (weekly).

*Globe Review, San Francisco (weekly).

Good Housekeeping, Springfield, Mass. (monthly).

Good Words, London (monthly).

Graphic, London (weekly).

*Grocer and Country Merchant, San Francisco (weekly).

Guide, San Francisco (daily).

Guy's Hospital Reports, London (annual).

Hall's Journal of Health, New York (monthly).

*Harmony, San Francisco (monthly).

Harper's Bazar, New York (weekly).

Harper's Monthly Magazine, New York.

Harper's Weekly, New York.

Harvard University Bulletin, Cambridge (irregular).

*Hebrew, San Francisco (weekly).

Helena Weekly Herald, Helena, Montana.

Horseman, Chicago (weekly).

Hub. New York (monthly).

*Human Nature, San Francisco (monthly).

Illustrated American, New York (weekly).

Illustrated London News, London (weekly).

Illustrated London News, New York (weekly).

Illustrated Official Journal (Patents) London (monthly).

Illustration('1), Paris (weekly).

*Imports and Exports, Summary, Washington D. C. (monthly).

Independent, New York (weekly).

Industry, San Francisco (monthly).

Industries and Iron, London (weekly).

Inland Architect, Chicago (monthly).

Institution of Civil Engineers, Proceedings, London.

Institution of Mechanical Engineers, Proceedings, London (quarterly).

Institution of Naval Architects, Transactions, London (bi-monthly).

*Insurance Times, New York (monthly).

*Invention, London (monthly).

Iron Age, New York (weekly).

Iron and Steel Institute, Journal (biennial).

Irrigation Age, Chicago (monthly).

Jenness-Miller Magazine, New York (monthly).

*Jewish Progress, San Francisco (weekly).

*Jewish Times, San Francisco (weekly).

Johns Hopkins University Studies, Baltimore.

*Johns Hopkins University Circulars, Baltimore (monthly).

Journal of Geology, Chicago (semi-quarterly).

Journal of Political Economy, Chicago (quarterly).

Judge, New York (weekly).

*Kern Standard, Kern City (weekly).

Ladies' Home Journal, Philadelphia (monthly).

*Lake County Bee, Lakeport, Cal. (weekly).

Lancet, London (weekly).

*Lassen Advocate, Susanville, Cal. (weekly).

*L. A.W. Bulletin, Chicago (weekly).

Lend a Hand, Boston (monthly).

Leslie's Weekly Illustrated (New York).

Liberty, Chicago (weekly).

Library Journal, New York (monthly).

Life, New York (weekly).

Lippincott's Magazine, Philadelphia (monthly).

Literary News, New York (monthly).

Literary World, Boston (fortnightly).

Littell's Living Age, Boston (weekly).

*Lodi Review-Budget, Lodi (weekly).

Longman's Magazine, London (monthly).

*Los Angeles Saturday Times, Weekly Mirror, Los Angeles, Cal., (weekly).

^{*} Presented.

^{*} Presented.

Lucifer, London (monthly).

*Machinery Market and Exporter, London (irregular).

Macmillan's Magazine, New York (monthly).

McClure's Magazine, New York (monthly).

*Mail of Woodland, Woodland, Cal. (daily).

Manufacturer and Builder, New York (monthly).

Marine Engineer, London (monthly).

*Marysville Daily Appeal, Marysville, Cal.

Medical News, Philadelphia (weekly).

Medico-Chirurgical Transactions, London.

*Mendocino Beacon, Mendocino, Cal. (weekly).

Mining and Scientific Press, San Francisco (weekly).

Mining Journal, London (weekly).

*Mission Journal, San Francisco (weekly).

Mode Illustrée, London (monthly).

Monist, Chicago (quarterly).

*Monitor, San Francisco (weekly).

Monthly Bulletin, Providence Public Library, Providence (monthly).

*Monthly Weather Reports, Washington, D. C.

*Monthly Sentinel, Chicago.

Morning Call San Francisco (daily).

Monthly Illustrator, New York.

Morning Oregonian, Portland, Or.

Munsey's Magazine, New York (monthly).

Music, Chicago (monthly).

Musical Courier, New York (weekly).

*Napa Register, Napa, Cal. (weekly).

Nation, New York (weekly).

*Nation, San Francisco (weekly).

*Natural Food, London (monthly).

Nature, London (weekly).

New England Historical and Geneological Register, Boston (quarterly).

New England Magazine, Boston (monthly).

New Mexican Review, Santa Fé (weekly),

New Review, London (monthly).

New Science Review, New York (quarterly).

New York Herald (daily).

New York Ledger (weekly).

New York Sun (weekly).

New York Times (daily).

New York Tribune (daily).

New York World (daily).

*News Letter, San Francisco (weekly).

News Letter, San Francisco (weekly).

Nineteenth Century (New York edition) (monthly).

Nineteenth Century, London (monthly).

North American Review, New York (monthly).

Northwestern Lumberman, Chicago (weekly).

Notes and Queries, London (weekly).

*Oakland Daily Evening Tribune, Oakland, Cal.

*Oakland Saturday Night (weekly).

*Occident, Berkeley, Cal. (weekly).

*Official Gazette of the Patent Office, Washington, D. C.

*Official Journal of the Patent Office, London.

*Olympic, San Francisco (weekly).

Open Court, Chicago (weekly).

*Oregon State Journal, Eugene, Or. (weekly).

*Oroville Register, Oroville, Cal. (weekly).

Outing, New York (monthly).

Outlook, New York (weekly).

Overland Monthly, San Francisco.

*Pacific American, San Francisco (monthly).

*Pacific Calendar and Catholic Church Bulletin, San Francisco (monthly)

*Pacific Churchman, San Francisco (semi-monthly).

*Pacific Health Journal, Oakland (monthly).

Pacific Electrician, San Francisco (monthly).

*Pacific Medical Journal, San Francisco (monthly).

Pacific Rural Press, San Francisco (weekly).

*Pacific Town Talk, San Francisco (weekly).

*Pacific Union Printer, San Francisco (monthly.)

*Paradise of the Pacific, Honolulu (irregular).

Pathological Society of London, Transactions.

*Petalumian, Petaluma (weekly).

Peterson's Magazine, Philadelphia (monthly).

*Penny Press, Santa Cruz (daily).

Philosophical Review, Boston (bi-monthly).

Phrenological Journal, New York (monthly).

Picayune, New Orleans (weekly).

Pittsburg Commercial Gazette, Pittsburg (weekly).

*Placer Argus, Auburn, Cal. (weekly).

*Placer Herald, Auburn, Cal. (weekly).

*Plumas National Bulletin, Quincy, Cal. (weekly).

Political Science Quarterly, New York.

Popular Science Monthly, New York.

Popular Science News, Boston (monthly).

Portfolio, London (monthly).

^{*} Presented.

^{*} Presented.

Portland Daily Press, Portland, Me.

Portland Transcript, Portland, Me. (weekly).

Power, New York (monthly).

*Press and Horticulturist, Riverside, Cal. (weekly).

*Progress, San Francisco (weekly).

Public Opinion, Washington, D. C. (weekly).

Publishers' Weekly, New York.

Puck, New York (weekly).

Punch, London (weekly).

Quarterly Journal of Economics, Boston.

Quarterly Journal of the Microscopical Science, London.

Quarterly Review, New York.

*Queensland Government Gazette, New Zealand (irregular).

Railroad Gazette, New York (weekly).

*Redwood City Democrat, Redwood, Cal. (weekly).

Red Bluff News, Red Bluff (weekly).

Republic, St. Louis (weekly).

Republic, Washington (weekly).

Review of Reviews, (New York edition) (monthly).

Revue de la Mode, Paris (monthly).

Revue des Deux Mondes, Paris (monthly).

Rocky Mountain News, Denver, Col. (weekly).

Royal Agricultural Society, Journal, London.

Royal Astronomical Society, Memoirs, London.

Royal Society, Philosophical Transactions, London.

Royal Society, Proceedings, London.

Royal United Service Institution, Journal, London.

Sacramento Daily Record Union, Sacramento, Cal.

*St. Helena Star, St. Helena, Cal. (weekly).

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St. Nicholas, New York (monthly).

*Salinas Weekly Index, Salinas, Cal.

Salt Lake Tribune, Salt Lake (weekly).

*San Diego Sun, San Diego, Cal. (daily).

San Francisco Abend-Post (daily).

San Francisco Chronicle (daily).

San Francisco Daily Report.

San Francisco Hotel Gazette (weekly).

*San Francisco Journal of Commerce, (weekly).

Sanitarian, New York (monthly).

*San Jose Herald (daily).

*San Jose Weekly Mercury.

*San Luis Obispo Tribune, San Luis Obispo, Cal. (weekly).

*Santa Cruz Surf, Santa Cruz, Cal. (weekly).

*Sausalito News, Sausalito, Cal. (weekly).

Saturday Review, London (weekly).

School of Mines Quarterly, New York.

Science Gossip, London (monthly).

Scientific American, New York (weekly).

Scientific American Supplement, New York (weekly).

Scientific American, Builder edition, New York (weekly).

Scribner's Magazine, New York (monthly).

*Seismological Journal of Japan, Yokohama.

Shoppell's Modern Houses, New York (quarterly).

*Shorthand Educator, Brooklyn, N. Y. (monthly).

Short Stories, New York (monthly).

*Single Tax Courier, St. Louis, Mo. (weekly).

*Smithsonian Miscellaneous Collections, Washington, D. C.

Société Chimique de Paris, Bulletin, Paris (semi-monthly).

Société Industrielle de Mulhouse, Bulletin, Paris (monthly).

Society of Chemical Industry, Journal, London (monthly).

Society of Engineers' Transactions, London.

*Specifications of Inventions, London.

*Specifications and Drawings of Patents, Washington, D. C.

Spectator, London (weekly).

Spirit of the Times, New York (weekly).

Spokesman of the Carriage, Harness and Implement Trades, Cincinnati (monthly).

Springfield Sunday Republican, Springfield, Mass. (weekly).

*Star, San Francisco (weekly).

*State Mining Journal, San Francisco (monthly).

Statistical Society, Journal, London.

Stockton Independent, Stockton, Cal. (daily).

Steamship, London (monthly).

Street Railway Journal, New York (monthly).

Sugar Beet (monthly).

*Students' Journal, New York (monthly).

*Sydney Morning Herald, Sydney.

*Technical Society of the Pacific Coast, Transactions, San Francisco (monthly).

*Techniker Der, Philadelphia (monthly).

Times, Philadelphia (daily).

Times, London (daily).

Toronto Globe, Toronto, Canada (weekly).

Torrey Botanical Club, Bulletin, New York (monthly).

*Traveller, San Francisco (monthly).

*Twentieth Century, New York (weekly).

^{*} Presented.

^{*} Presented.

Truth, London (weekly). United Service, Philadelphia (monthly). *United States Consular Reports, Washington, D. C. *United States Government Publications, Monthly Catalogue, Washington, D. C. *Universal Medical Journal, Philadelphia (monthly). University California Magazine, Berkeley (monthly). United States Naval Institute, Proceedings, Annapolis (quarterly). *Urn, New York (monthly). *Vancouver Independent, Vancouver (weekly). *Victoria Weekly Colonist, Victoria, B. C. Virginia City Chronicle, Virginia, Nev. (daily). Vogue, New York (weekly). Voice, New York (weekly). *Voice of Labor, San Francisco (weekly). Washington Post, Washington, D. C. (daily). Wasp, San Francisco (weekly). *Wasp, San Francisco (weekly). Wave, San Francisco (weekly). *Weekly Colusa Sun, Colusa, Cal. *Weekly Galt Gazette, Galt, Cal. Weekly Globe Democrat, St. Louis. *Weekly Independent, Elko, Nev. *Weekly People's Cause, Red Bluff, Cal. Weekly Register, Mobile, Ala. Weekly Scotsman, Edinburgh. Western Journal of Education, San Francisco (monthly). Westminster Review, (New York ed.) (monthly). Wilson's Photographic Magazine, New York (monthly). *Wood and Iron, San Francisco (monthly). Yale Review, Boston (quarterly). Youth's Companion, Boston (weekly). *Yreka Journal, Yreka, Cal. (weekly).

ANNUAL MEETING.

The annual meeting of the Mechanics' Institute was held in the rooms of the Institute, No. 31 Post street, Saturday evening, March 7, 1896.

The assemblage was called to order at 8 o'clock by President A. S. Hallidie, and after the reading of minutes of the last meeting, reports from the Librarian, Secretary and President, the following report from the Judges of Election was presented:

SAN FRANCISCO, March 3, 1896.

To the Trustees of the Mechanics' Institute:

GENTLEMEN: We have the honor to report that at the election for Trustees of the Institute, held Tuesday, February 25th, 958 ballots were cast, and the following gentlemen were elected as Trustees, by the proportional and preferential method as provided in the Constitution, viz: Joseph M. Cumming, Edward P. Heald, Patrick J. Healy, Joseph Leggett, Oscar Lewis, George R. Presson, G. Howard Thompson.

The polls opened at II A. M. and closed at 9 P. M.; the counting commenced as soon after the close of the polls as the requisite arrangements could be made, say about five minutes. At II P. M. all the ballots had been counted and the transfers made excepting the transfers from the last candidate eliminated, which transfers were made within about ten minutes afterwards.

Messrs. Cumming and Heald were elected on first choice, each having a surplus. Mr. Presson was elected by transfers of six from Cumming's surplus and two from Heald's surplus, which in addition to his first choice votes, 128 in number, made up a full quota. Mr. Oscar Lewis was next elected on a full quota, his first choice votes being 90 in number, he re-

^{*} Presented.

ceiving 19 from surplus, and 27 by elimination. Messrs. Healy, Leggett and Thompson were elected on 127, 132 and 114 votes respectively, being the only candidates remaining after the elimination of Mr. Root.

The quota was reckoned on 955 votes, two of the ballots being so marked that it was impossible to ascertain the intention of the voter.

The entire proceedings went on smoothly as far as known to the Judges.

Respectfully submitted,

ALFRED CRIDGE,
WILLIAM CRONAN,
W. L. PEET,
Judges of Election.

On motion the report was received and approved

No further business being presented, the Chair announced that the next order would be the installation of the Trustees elect, by the committee appointed for that purpose, consisting of Chas, M. Plum, A. Van der Naillen and John Richards.

The gentlemen of the committee then requested the Trustees elect, viz.: Joseph M. Cumming, Edward P. Heald, Patrick J. Healy, Joseph Leggett, Oscar Lewis, George R. Presson and G. Howard Thompson, to take position in front, which being done, the oath of office was administered and subscribed to in accordance with the constitution, and they were declared duly elected and installed Trustees of the Mechanics' Institute.

The meeting then adjourned.

MECHANICS' INSTITUTE

SAN FRANCISCO, CAL.

INDUSTRIAL DRAWING CLASSES 1896-1897.

ORDER OF CLASSES

MACHINE DRAWING AND DESCRIPTIVE GEOMETRY
MONDAYS AND THURSDAYS

Drawing from the Flat and Casts, Perspective, Architectural and Ornamental Drawing

MONDAYS AND THURSDAYS

ALGEBRA AND GEOMETRY

TUESDAYS AND FRIDAYS

CLASS HOURS, 7.30 P.M. TO 9.30 P.M., AT THE LIBRARY BUILDING, 3I POST ST.

A copy of the rules, conditions of entrance, and all information can be obtained from the Librarian, 31 Post street.

Committee on Lectures and Classes. R. P. DOOLAN P. J. HEALY G. HOWARD THOMPSON